



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/620,075	07/14/2003	Joanne E. Ship		7103

25859 7590 12/30/2003  
WEI TE CHUNG  
FOXCONN INTERNATIONAL, INC.  
1650 MEMOREX DRIVE  
SANTA CLARA, CA 95050

EXAMINER

GUSHI, ROSS N

ART UNIT PAPER NUMBER

2833

DATE MAILED: 12/30/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

10/620,075

Applicant(s)

SHIP, JOANNE E.

Examiner

Ross N. Gushi

Art Unit

2833

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-17 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 14-17 is/are allowed.
- 6) ☒ Claim(s) 1-3, 8 and 9 is/are rejected.
- 7) ☒ Claim(s) 4-7 and 10-13 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 14 July 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. §§ 119 and 120

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.  
a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_.

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless —

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in —

(1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effect under this subsection of a national application published under section 122(b) only if the international application designating the United States was published under Article 21(2)(a) of such treaty in the English language; or

(2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that a patent shall not be deemed filed in the United States for the purposes of this subsection based on the filing of an international application filed under the treaty defined in section 351(a);

Claims 1, 2, 3, and 8 are rejected under 35 U.S.C. 102(b) as being anticipated by Petersen et al. ("Petersen").

Per claim 1, Petersen discloses an electrical connector for engaging with an electronic card, comprising an elongate dielectric housing defining a slot along a longitudinal direction thereof; a plurality of first contacts 12 retained in the housing, the first contact comprising a contact portion extending into the slot for engaging with the electronic card; and a second contact 13 retained in the housing, the second contact comprising a first engaging portion 86 extending into the slot for engaging with the electronic card and a second engaging portion (at 84) adapted for (i.e. capable of) electrically connecting to a complementary component (such as a probe inserted into channel 54, see figure 6).

Per claim 2, the dielectric housing comprises a base and a tower 26 at one end of the base, and the slot extends into the tower to form a channel in a top face of the tower.

Per claim 3, the tower defines a receiving cavity 54 therein, and the second contact is retained in the tower with the second engaging portion received in the receiving cavity.

Per claim 8, the second contact 13 is a power contact (col. 6, lines 15-20).

Claims 9 is rejected under 35 U.S.C. 102(b) as being anticipated by Cheng.

Per claim 9, Cheng discloses an electrical connector for engaging with an electronic card, comprising an elongate dielectric housing 14 defining a first slot along a longitudinal direction thereof; a plurality of first contacts 20 retained in the housing and each comprising a contact portion extending into the first slot for engaging with the electronic card; and a contact module 10 secured to the dielectric housing, the contact module comprising a dielectric body and a second contact retained in the dielectric body, the dielectric body defining a second slot having a width substantially the same as that of the first slot, the second contact comprising a first engaging portion extending into the second slot for engaging with the electronic card and a second engaging portion for electrically connecting to a complementary component.

***Allowable Subject Matter***

Claims 4-7 and 10-13 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter:

Regarding claim 4, the prior art does not suggest the device as claimed, including the combination of all the claimed elements, the combination including that the tower comprises first and second supporting portions separated by the channel, and the first supporting portion has a larger width than that of the second supporting portion, the receiving cavity being defined in the first supporting portion. Regarding claim 5, the prior art does not suggest the device as claimed, including the combination of all the claimed elements, the combination including that the second contact is generally of a planar shape and comprises a retention portion connecting the first engaging portion with the second engaging portion. Regarding claim 7, the prior art does not suggest the as device claimed, including the combination of all the claimed elements, the combination including that the first engaging portion comprises a pair of upwardly extending mating arms, and the second engaging portion extends in a same direction as the mating arms and offsets from the mating arms in the longitudinal direction of the housing. Regarding claim 10, the prior art does not suggest the device as claimed, including the combination of all the claimed elements, the combination including that the dielectric housing comprises a tower at one end thereof, and the tower defines a channel for retaining the electronic card.

Claims 14-17 are allowable. Regarding claim 14, the prior art does not suggest the device as claimed, including the combination of all the claimed elements, the combination including a first longer central slot section and a second shorter central slot

section spaced from said first longer central slot section as claimed and including the first contacts including contacting portions located on two sides of the first central slot for mechanical and electrical engagement with a first region of the daughter board and the soldering section as claimed and the a plurality of second contacts including contacting portions located on two sides of the second central slot for mechanical and electrical engagement with a second region of the daughter board as claimed and the tail portion which is configured not to be engaged with the printed circuit board but electrical connected to another discrete electronic component as claimed.

**Conclusion**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ross Gushi whose telephone number is (703) 306-4508. If attempts to reach the examiner by phone are unsuccessful, the examiner's supervisor, Paula A. Bradley, can be reached at (703) 308-2319. The phone number for the Group's facsimile is (703) 872-9306.

